

Рахункова Книжка.



ПЕРША ЧАСТЬ.



ЦІНА 15 ЦЕНТІВ.



ВІННІПЕГ, МАН.

1919.

ЗБІРКА
ІВАНА ЛУЧКОВА

Рахункова Книжка.



ПЕРША ЧАСТЬ.



Для ужитку шкільної
молодіжи.

НАКЛАДОМ РУСЬКОЇ КНИГАРНІ

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РАХУНКИ

I.

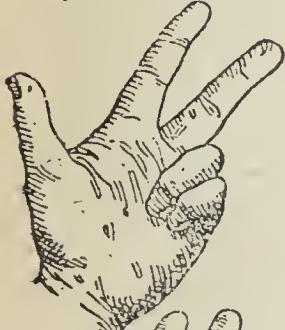
Числене від 1—5.



卷之三



11



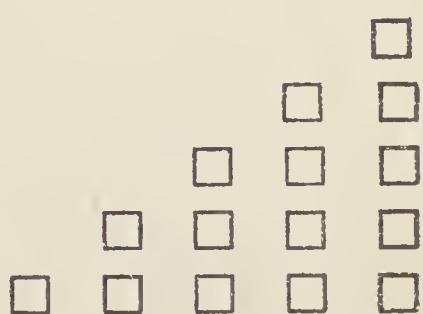
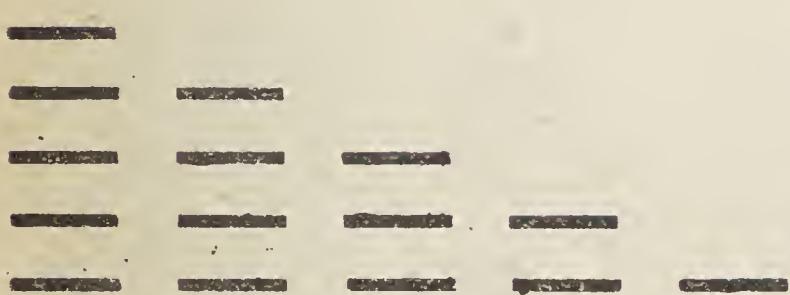
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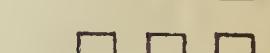
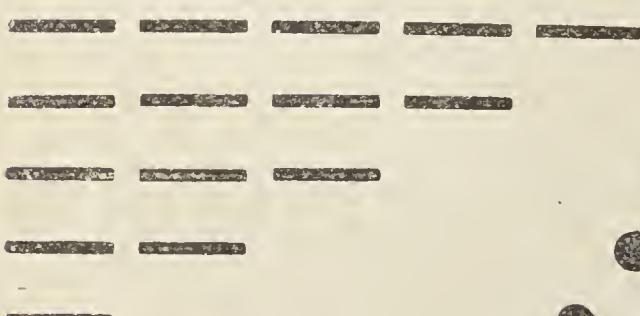
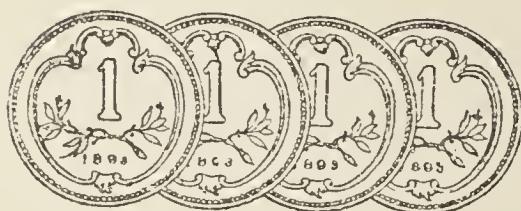
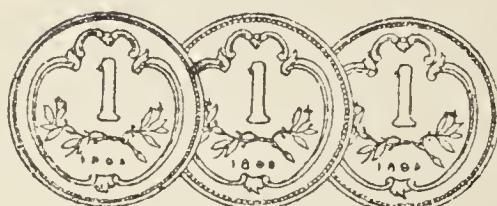


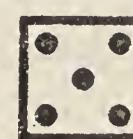
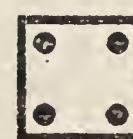
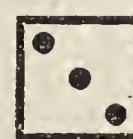
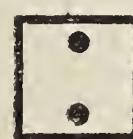
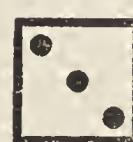
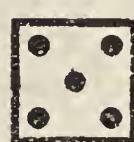
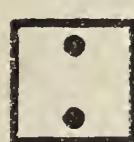
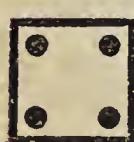
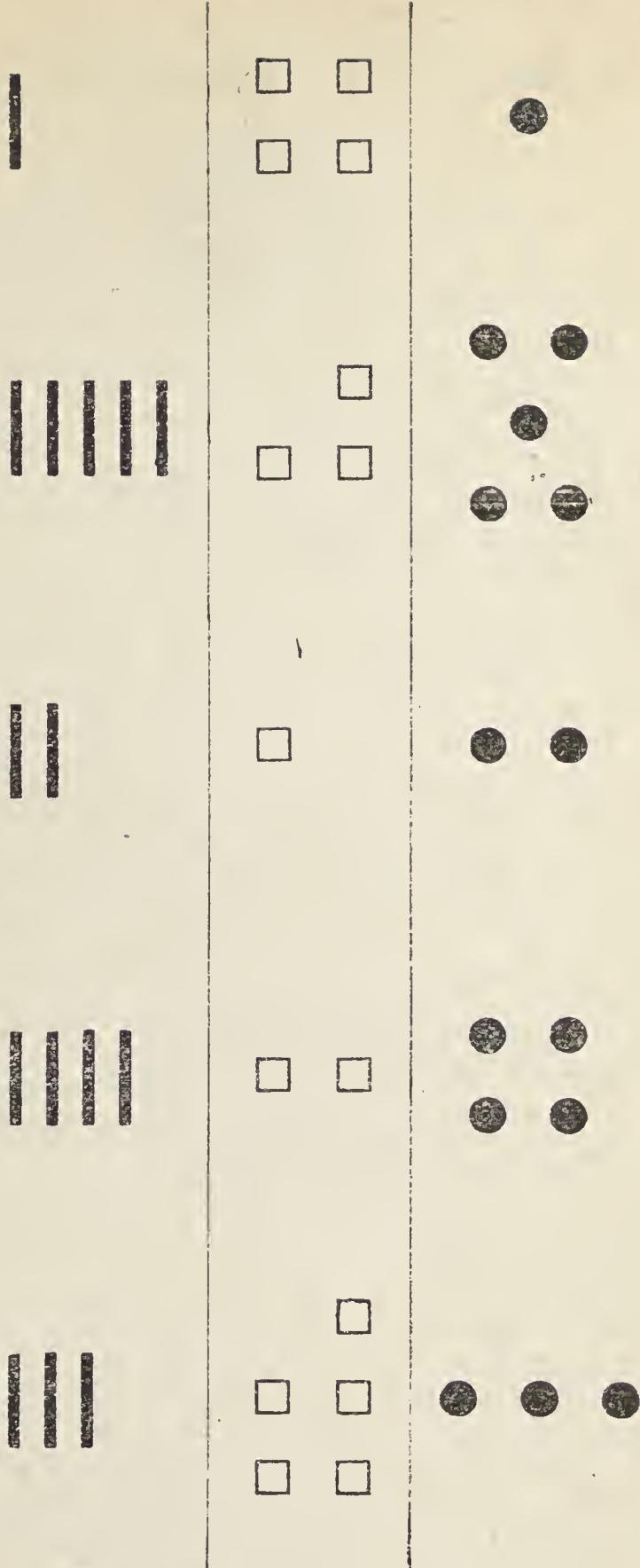
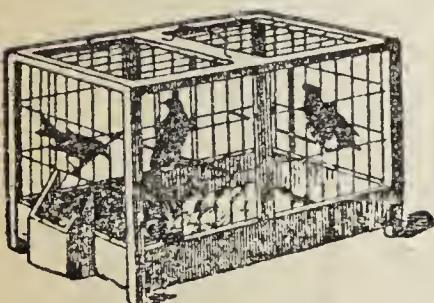
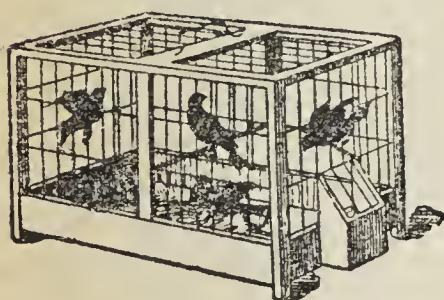
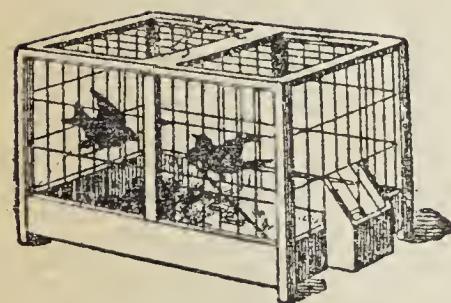
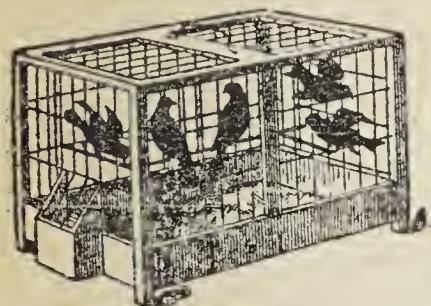
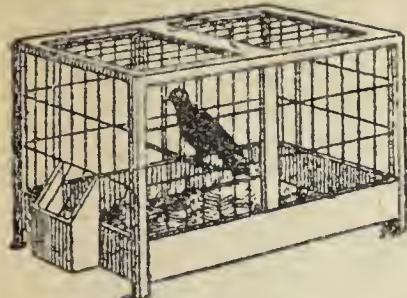
A row of four vertical black bars of different heights, arranged horizontally. The first bar is the shortest, followed by a taller one, then another tall one, and finally the tallest bar on the right.



— 2 —





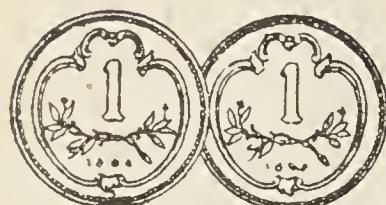


II.

Додаване і віднімання в обсягу від 1—5.



• | 1



• • | | 2

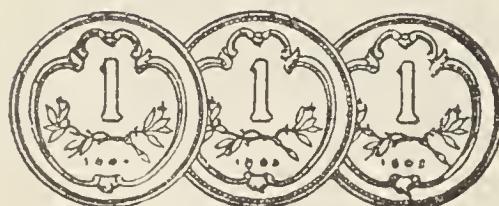


$$\bullet + \bullet \quad 1 + 1 = 2 \quad | \quad 2 - 1 = 1$$

$$1 - 1 = 0 \quad | \quad 2 - 2 = 0$$

$$1 + 1 = \quad | \quad 2 - 2 = \quad | \quad 1 + ? = 2$$

$$1 - 1 = \quad | \quad 2 - 1 = \quad | \quad 2 - ? = 1$$



• • • | | | 3

$$\bullet + \bullet + \bullet \quad 1 + 1 + 1 = 3 \quad | \quad 3 - 1 = 2$$

$$\bullet \bullet + \bullet \quad 2 + 1 = 3 \quad | \quad 3 - 2 = 1$$

$$\bullet + \bullet \bullet \quad 1 + 2 = 3 \quad | \quad 3 - 3 = 0$$

$$1 + 2 = \quad | \quad 2 + 1 = \quad | \quad 1 + ? = 3$$

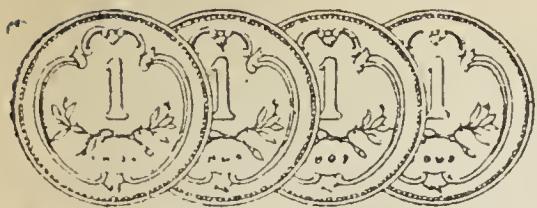
$$2 + 1 = \quad | \quad 1 + 2 = \quad | \quad 1 + ? = 2$$

$$1 + 1 = \quad | \quad 1 + 1 + 1 = \quad | \quad 2 + ? = 3$$

$$3 - 1 = \quad | \quad 3 - 3 = \quad | \quad 3 - ? = 2$$

$$3 - 2 = \quad | \quad 3 - 2 = \quad | \quad 3 - ? = 1$$

$$3 - 3 = \quad | \quad 3 - 1 = \quad | \quad 2 - ? = 1$$



$\bullet + \bullet + \bullet + \bullet$	$1 + 1 + 1 + 1 = 4$	$4 - 1 = 3$
$\bullet \bullet \bullet + \bullet$	$3 + 1 = 4$	$4 - 2 = 2$
$\bullet + \bullet \bullet \bullet$	$1 + 3 = 4$	$4 - 3 = 1$
$\bullet \bullet + \bullet \bullet$	$2 + 2 = 4$	$4 - 4 = 0$

1) $1 + 1 =$	2) $1 + ? = 2$	3) $4 - 1 =$	4) $2 - 2 =$
$2 + 1 =$	$1 + ? = 3$	$4 - 2 =$	$3 - 2 =$
$3 + 1 =$	$1 + ? = 4$	$4 - 3 =$	$4 - 2 =$
$1 + 3 =$	$3 + ? = 4$	$4 - 4 =$	$4 - ? = 1$
$1 + 2 =$	$2 + ? = 4$	$2 - 1 =$	$4 - ? = 2$
$1 + 1 =$	$1 + ? = 4$	$3 - 1 =$	$4 - ? = 3$



$\bullet \bullet \bullet \bullet + \bullet$	$4 + 1 = 5$	$5 - 1 = 4$
$\bullet + \bullet \bullet \bullet \bullet$	$1 + 4 = 5$	$5 - 4 = 1$
$\bullet \bullet \bullet + \bullet \bullet$	$3 + 2 = 5$	$5 - 2 = 3$
$\bullet \bullet + \bullet \bullet \bullet$	$2 + 3 = 5$	$5 - 3 = 2$
$\bullet + \bullet + \bullet + \bullet + \bullet$	$1 + 1 + 1 + 1 + 1 = 5$	$5 - 5 = 0$

1) $1 + 1 =$	2) $1 + 3 =$	3) $5 - 1 =$	4) $5 - 2 =$
$2 + 1 =$	$2 + 3 =$	$5 - 2 =$	$4 - 1 =$
$3 + 1 =$	$4 + 1 =$	$5 - 3 =$	$5 - 4 =$
$4 + 1 =$	$2 + ? = 5$	$5 - 4 =$	$5 - ? = 1$
$1 + 2 =$	$4 + ? = 5$	$4 - 1 =$	$5 - ? = 2$
$2 + 2 =$	$1 + ? = 5$	$4 - 3 =$	$5 - ? = 3$
$3 + 2 =$	$3 + ? = 5$	$4 - 2 =$	$5 - ? = 4$

III.

Числене в обсягу від 1—10.



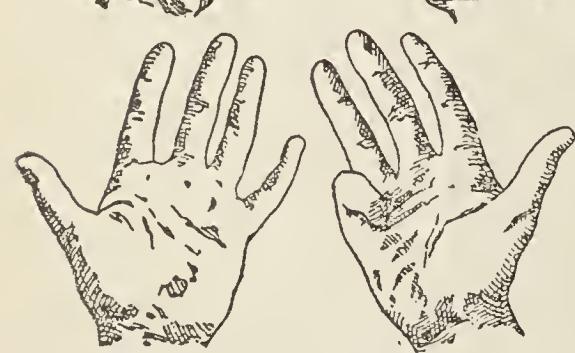
$$5 + 1$$



$$5 + 2$$



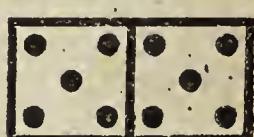
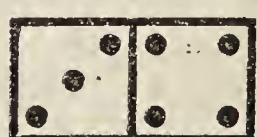
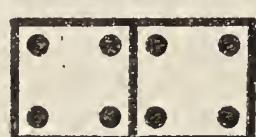
$$5 + 3$$



$$5 + 4$$

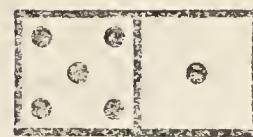


$$5 + 5$$

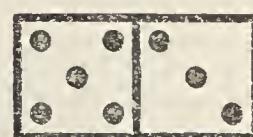
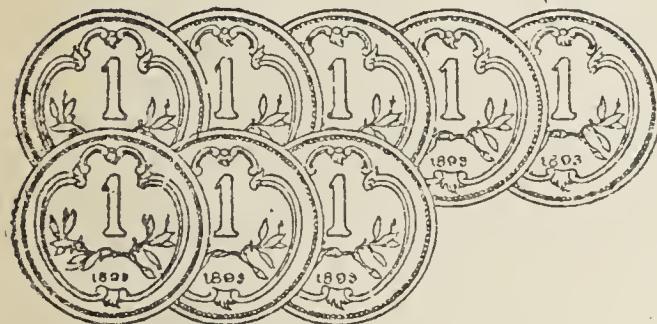




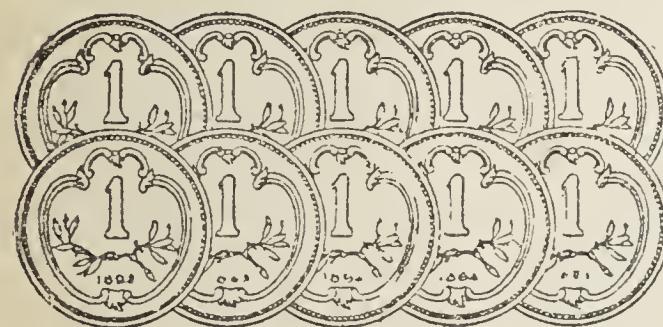
$$5 + 4$$



$$5 + 1$$



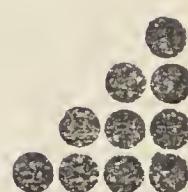
$$5 + 3$$



$$5 + 5$$

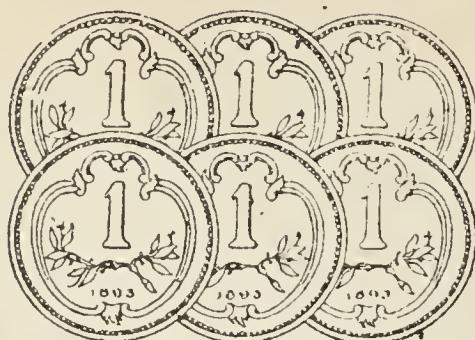


$$5 + 2$$



IV.

Додаванє і відніманє в обсягу від 1—10.



6

$$\bullet \bullet \bullet \bullet + \bullet$$

$$5 + 1 = 6$$

$$6 - 1 = 5$$

$$\bullet \bullet \bullet \bullet + \bullet \bullet$$

$$1 + 5 = 6$$

$$6 - 5 = 1$$

$$\bullet \bullet \bullet + \bullet \bullet$$

$$4 + 2 = 6$$

$$6 - 2 = 4$$

$$\bullet \bullet \bullet + \bullet \bullet$$

$$2 + 4 = 6$$

$$6 - 4 = 2$$

$$\bullet \bullet + \bullet \bullet + \bullet \bullet$$

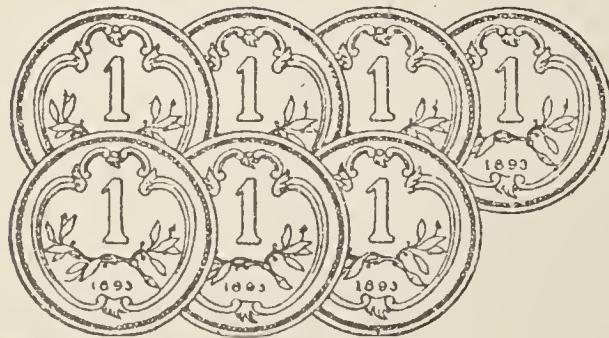
$$3 + 3 = 6$$

$$6 - 3 = 3$$

$$2 + 2 + 2 = 6$$

$$6 - 6 = 0$$

1) $5 + 1 =$	2) $3 + 3 =$	3) $6 - 1 =$	4) $5 - 3 =$
$4 + 2 =$	$2 + 4 =$	$6 - 2 =$	$4 - 2 =$
$3 + 3 =$	$3 + 2 =$	$6 - 3 =$	$6 - 2 =$
$2 + 4 =$	$1 + 5 =$	$6 - 4 =$	$5 - 1 =$
$2 + 2 =$	$4 + ? = 6$	$6 - 5 =$	$6 - ? = 1$
$4 + 2 =$	$3 + ? = 6$	$5 - 2 =$	$6 - ? = 4$
$1 + 2 =$	$5 + ? = 6$	$6 - 6 =$	$6 - ? = 2$
$3 + 2 =$	$2 + ? = 6$	$4 - 3 =$	$6 - ? = 3$



7

$$\bullet \bullet \bullet \bullet \bullet + \bullet$$

$$6 + 1 = 7$$

$$7 - 1 = 6$$

$$\bullet \bullet \bullet \bullet \bullet + \bullet \bullet$$

$$1 + 6 = 7$$

$$7 - 6 = 1$$

$$\bullet \bullet \bullet \bullet + \bullet \bullet$$

$$5 + 2 = 7$$

$$7 - 2 = 5$$

$$\bullet \bullet \bullet \bullet + \bullet \bullet$$

$$2 + 5 = 7$$

$$7 - 5 = 2$$

$$\bullet \bullet \bullet + \bullet \bullet$$

$$4 + 3 = 7$$

$$7 - 3 = 4$$

$$\bullet \bullet \bullet + \bullet \bullet$$

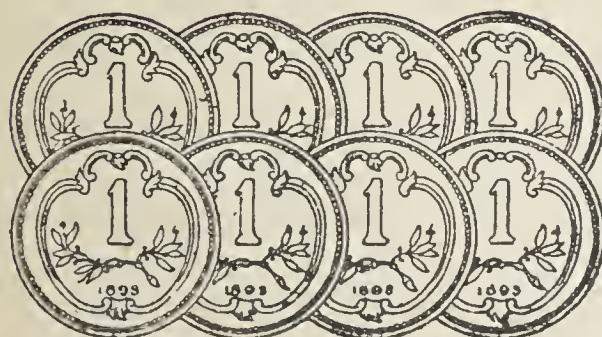
$$3 + 4 = 7$$

$$7 - 4 = 3$$

$$3 + 3 + 1 = 7$$

$$7 - 7 = 0$$

1) $6 + 1 =$	2) $1 + 5 =$	3) $7 - 1 =$	4) $6 - 4 =$
$5 + 2 =$	$3 + 2 =$	$7 - 2 =$	$7 - ? = 1$
$4 + 3 =$	$4 + ? = 7$	$7 - 3 =$	$7 - ? = 3$
$3 + 4 =$	$1 + ? = 7$	$7 - 4 =$	$7 - ? = 5$
$2 + 5 =$	$5 + ? = 7$	$7 - 5 =$	$7 - ? = 2$
$1 + 6 =$	$2 + ? = 7$	$7 - 6 =$	$7 - ? = 6$
$3 + 3 =$	$6 + ? = 7$	$7 - 7 =$	$7 - ? = 4$
$2 + 4 =$	$3 + ? = 7$	$5 - 2 =$	$7 - ? = 7$



8

$$\bullet\bullet\bullet\bullet\bullet\bullet\bullet + \bullet$$

$$7 + 1 = 8$$

$$8 - 1 = 7$$

$$\bullet\bullet\bullet\bullet\bullet + \bullet\bullet$$

$$1 + 7 = 8$$

$$8 - 7 = 1$$

$$\bullet\bullet\bullet\bullet + \bullet\bullet\bullet$$

$$6 + 2 = 8$$

$$8 - 2 = 6$$

$$\bullet\bullet\bullet\bullet + \bullet\bullet\bullet\bullet$$

$$2 + 6 = 8$$

$$8 - 6 = 2$$

$$\bullet\bullet + \bullet\bullet + \bullet\bullet + \bullet\bullet$$

$$5 + 3 = 8$$

$$8 - 3 = 5$$

$$3 + 5 = 8$$

$$8 - 5 = 3$$

$$4 + 4 = 8$$

$$8 - 4 = 4$$

$$2 + 2 + 2 + 2 = 8$$

$$8 - 8 = 0$$

$$1) 7 + 1 =$$

$$2) 4 + 3 =$$

$$3) 8 - 1 =$$

$$4) 8 - 3 =$$

$$6 + 2 =$$

$$2 + 6 =$$

$$8 - 4 =$$

$$7 - 4 =$$

$$5 + 3 =$$

$$6 + 2 =$$

$$8 - 7 =$$

$$8 - 5 =$$

$$4 + 4 =$$

$$6 + 1 =$$

$$8 - 2 =$$

$$8 - 2 =$$

$$3 + 5 =$$

$$4 + 4 =$$

$$8 - 5 =$$

$$7 - 5 =$$

$$2 + 6 =$$

$$2 + ? = 8$$

$$8 - 3 =$$

$$8 - ? = 7$$

$$1 + 7 =$$

$$6 + ? = 8$$

$$8 - 6 =$$

$$8 - ? = 3$$

$$4 + 3 =$$

$$3 + ? = 8$$

$$8 - 8 =$$

$$8 - ? = 4$$

$$3 + 3 =$$

$$5 + ? = 8$$

$$7 - 3 =$$

$$8 - ? = 6$$

$$5 + 3 =$$

$$4 + ? = 8$$

$$7 - 5 =$$

$$8 - ? = 5$$

$$5 + 2 =$$

$$7 + ? = 8$$

$$6 - 5 =$$

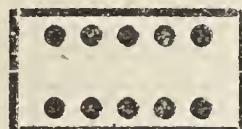
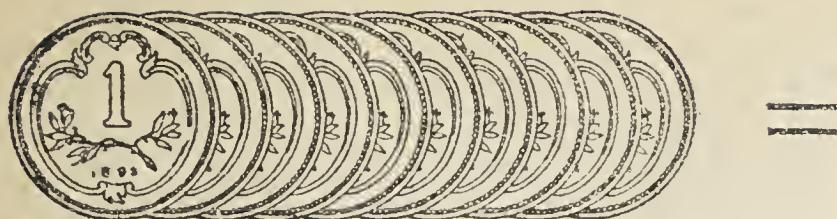
$$8 - ? = 2$$

$$3 + 2 =$$

$$1 + ? = 8$$

$$7 - 2 =$$

$$8 - ? = 1$$



10

$$\begin{array}{c} \text{dots} \\ \text{dots} \\ \text{dots} \\ \text{dots} \\ \text{dots} \end{array} + \begin{array}{c} \text{dot} \\ \text{dot} \\ \text{dot} \\ \text{dot} \\ \text{dot} \end{array}$$

$$\begin{array}{l} 9 + 1 = 10 \\ 1 + 9 = 10 \\ 8 + 2 = 10 \\ 2 + 8 = 10 \\ 7 + 3 = 10 \\ 3 + 7 = 10 \\ 6 + 4 = 10 \\ 4 + 6 = 10 \\ 5 + 5 = 10 \end{array}$$

$$\begin{array}{l} 10 - 1 = 9 \\ 10 - 9 = 1 \\ 10 - 2 = 8 \\ 10 - 8 = 2 \\ 10 - 3 = 7 \\ 10 - 7 = 3 \\ 10 - 4 = 6 \\ 10 - 6 = 4 \\ 10 - 5 = 5 \end{array}$$

$$\begin{array}{c} \text{dots} \\ \text{dots} \\ \text{dots} \\ \text{dots} \\ \text{dots} \end{array} + \begin{array}{c} \text{dots} \\ \text{dots} \\ \text{dots} \\ \text{dots} \\ \text{dots} \end{array}$$

$$2 + 2 + 2 + 2 + 2 = 10$$

$$\begin{array}{l} 1) 9 + 1 = \\ 8 + 2 = \\ 7 + 3 = \\ 6 + 4 = \\ 5 + 5 = \\ 4 + 6 = \\ 3 + 7 = \\ 2 + 8 = \\ 1 + 9 = \end{array}$$

$$\begin{array}{l} 2) 1 + 8 = \\ 7 + 2 = \\ 4 + 5 = \\ 4 + 6 = \\ 6 + 3 = \\ 7 + 3 = \\ 3 + 6 = \\ 5 + 5 = \\ 9 + 1 = \end{array}$$

$$\begin{array}{l} 3) 3 + 5 = \\ 2 + 8 = \\ 3 + 7 = \\ 8 + 1 = \\ 2 + 7 = \\ 5 + 2 = \\ 5 + 4 = \\ 8 + 2 = \\ 6 + 4 = \end{array}$$

$$\begin{array}{l} 4) 10 = 3 + ? \\ 10 = 7 + ? \\ 10 = 1 + ? \\ 10 = 8 + ? \\ 10 = 5 + ? \\ 10 = 9 + ? \\ 10 = 2 + ? \\ 10 = 6 + ? \\ 10 = 4 + ? \end{array}$$

$$\begin{array}{l} 1) 10 - 1 = \\ 10 - 2 = \\ 10 - 3 = \\ 10 - 4 = \\ 10 - 5 = \\ 10 - 6 = \\ 10 - 7 = \\ 10 - 8 = \\ 10 - 9 = \\ 10 - 10 = \end{array}$$

$$\begin{array}{l} 2) 8 - 3 = \\ 10 - 4 = \\ 10 - 8 = \\ 7 - 2 = \\ 9 - 5 = \\ 10 - 9 = \\ 8 - 5 = \\ 9 - 3 = \\ 10 - 1 = \\ 10 - 6 = \end{array}$$

$$\begin{array}{l} 3) 10 - 7 = \\ 7 - 3 = \\ 6 - 2 = \\ 10 - 5 = \\ 9 - 2 = \\ 10 - 2 = \\ 8 - 2 = \\ 9 - 6 = \\ 10 - 3 = \\ 5 - 3 = \end{array}$$

$$\begin{array}{l} 4) 2 = 10 - ? \\ 6 = 10 - ? \\ 4 = 10 - ? \\ 7 = 10 - ? \\ 1 = 10 - ? \\ 5 = 10 - ? \\ 8 = 10 - ? \\ 3 = 10 - ? \\ 9 = 10 - ? \\ 0 = 10 - ? \end{array}$$

Повторене в обсягу від 1—10.

1) $1+2+2=$	2) $1+3-1=$	3) $5-3+4=$	4) $2+3+5=$
$2+2+3=$	$6-1-1=$	$7-6+3=$	$2+4+3=$
$3+3+3=$	$7-4-1=$	$2+2+3=$	$5+1-4=$
$2+2+6=$	$3+5-7=$	$1+5+2=$	$6+3-2=$
$2+3+4=$	$9-2-5=$	$9-4-2=$	$7+2+1=$
$1+3+1=$	$10-1-1=$	$1+1+8=$	$8-4-3=$
$3+1+5=$	$5-3-2=$	$3+1+6=$	$6-5+4=$
$1+5+2=$	$6-2-2=$	$6+2-3=$	$10-3-2=$

5) $7-6+3=$	6) $1+2+3+4=$	7) $2+2+2=$
$4-1+3=$	$4+4+1+1=$	$7-5+4=$
$9-6-2=$	$3+3+3+1=$	$4+5-6=$
$2+3+2=$	$7-3+6-9=$	$8-2-4=$
$10-3-4=$	$10-7+5-6=$	$1+3+4=$
$6-3+7=$	$5+5-4-3=$	$10-4-2=$
$8-5+6=$	$3+2+1+4=$	$9-7+3=$
$7+2+1=$	$10-9+7-3=$	$6+1+3=$
$9-5-1=$	$9-3+2-5=$	$4+4-1=$

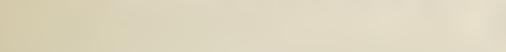
8) $3+3+1=$	9) $5-3-1=$	10) $10-5+3=$
$8-2-2=$	$7-5+6=$	$8+2-6+3=$
$6-1+2=$	$9+1-6=$	$9-3-3-3=$
$4+4+2=$	$10-8+3=$	$4+3+2-5=$
$3+5-6=$	$6+4-9=$	$5+3+2-7=$
$6+4-7=$	$3+3+3=$	$10-3-?=1$
$5+5-3=$	$4+3-5=$	$2+5+?=10$
$10-9+7=$	$10-4-4=$	$2+7-?=8$
$6+3+1=$	$8-6+7=$	$3+3+?=10$
$10-4-6=$	$3+7-5=$	$10-3-?=3$

V.

Множене, помір і поділ в обсягу 10.

1.

	$1 \times 1 = 1$	$1 : 1 = 1$	
	$2 \times 1 = 2$	$2 : 1 = 2$	$\frac{2}{2} = 1$
	$3 \times 1 = 3$	$3 : 1 = 3$	$\frac{3}{3} = 1$
	$4 \times 1 = 4$	$4 : 1 = 4$	$\frac{4}{4} = 1$
	$5 \times 1 = 5$	$5 : 1 = 5$	$\frac{5}{5} = 1$
	$6 \times 1 = 6$	$6 : 1 = 6$	$\frac{6}{6} = 1$
	$7 \times 1 = 7$	$7 : 1 = 7$	$\frac{7}{7} = 1$
	$8 \times 1 = 8$	$8 : 1 = 8$	$\frac{8}{8} = 1$
	$9 \times 1 = 9$	$9 : 1 = 9$	$\frac{9}{9} = 1$
	$10 \times 1 = 10$	$10 : 1 = 10$	$\frac{10}{10} = 1$

	$1 \times 1 = 1$	$1 : 1 = 1$
	$1 \times 2 = 2$	$2 : 2 = 1$
	$1 \times 3 = 3$	$3 : 3 = 1$
	$1 \times 4 = 4$	$4 : 4 = 1$
	$1 \times 5 = 5$	$5 : 5 = 1$
	$1 \times 6 = 6$	$6 : 6 = 1$
	$1 \times 7 = 7$	$7 : 7 = 1$
	$1 \times 8 = 8$	$8 : 8 = 1$
	$1 \times 9 = 9$	$9 : 9 = 9$
	$1 \times 10 = 10$	$10 : 10 = 1$

1) $1 \times 1 =$	2) $8 \times 1 =$	3) $1 \times 5 =$	4) $1 \times 6 =$	5) $5 = 1 \times ?$
$3 \times 1 =$	$5 \times 1 =$	$1 \times 8 =$	$1 \times 4 =$	$5 = 5 \times ?$
$7 \times 1 =$	$2 \times 1 =$	$1 \times 3 =$	$1 \times 7 =$	$2 = 2 \times ?$
$4 \times 1 =$	$6 \times 1 =$	$1 \times 10 =$	$1 \times 2 =$	$4 = 1 \times ?$
$9 \times 1 =$	$10 \times 1 =$	$1 \times 1 =$	$1 \times 9 =$	$3 = 3 \times ?$

1) $5:1 =$	2) $7:1 =$	3) $8:1 =$	4) $\frac{3}{3} =$	5) $\frac{4}{4} =$
$5:5 =$	$7:7 =$	$8:8 =$	$\frac{5}{5} =$	$\frac{6}{6} =$
$3:1 =$	$4:1 =$	$10:1 =$	$\frac{2}{2} =$	$\frac{8}{8} =$
$3:3 =$	$4:4 =$	$10:10 =$	$\frac{7}{7} =$	$\frac{9}{9} =$
$2:1 =$	$6:1 =$	$9:1 =$	$\frac{10}{10} =$	
$2:2 =$	$6:6 =$	$9:9 =$		

1) $1+1 =$	2) $2+1 =$	3) $3+1 =$	4) $4+1 =$	5) $5+1 =$
$1 \times 1 =$	$1 \times 2 =$	$1 \times 3 =$	$1 \times 4 =$	$1 \times 5 =$
$1-1 =$	$2-1 =$	$3-1 =$	$4-1 =$	$5-1 =$
$1 : 1 =$	$2 : 1 =$	$3 : 1 =$	$4 : 1 =$	$5 : 1 =$
	$2 : 2 =$	$3 : 3 =$	$4 : 4 =$	$5 : 5 =$

6) $6+1 =$	7) $7+1 =$	8) $8+1 =$	9) $9+1 =$	10) $10+1 =$
$1 \times 6 =$	$1 \times 7 =$	$1 \times 8 =$	$1 \times 9 =$	$1 \times 10 =$
$6-1 =$	$7-1 =$	$8-1 =$	$9-1 =$	$10-1 =$
$6 : 1 =$	$7 : 1 =$	$8 : 1 =$	$9 : 1 =$	$10 : 1 =$
$6 : 6 =$	$7 : 7 =$	$8 : 8 =$	$9 : 9 =$	$10 : 10 =$

2.

	$1 \times 2 = 2$	$2:2=1$	$\frac{4}{2}=2$
	$2 \times 2 = 4$	$4:2=2$	$\frac{6}{3}=2$
	$3 \times 2 = 6$	$6:2=3$	$\frac{8}{4}=2$
	$4 \times 2 = 8$	$8:2=4$	$\frac{10}{5}=2$
	$5 \times 2 = 10$	$10:2=5$	

	$2 \times 1 = 2$	$2:1=2$	$\frac{2}{2}=1$
	$2 \times 2 = 4$	$4:2=2$	$\frac{4}{2}=2$
	$2 \times 3 = 6$	$6:3=2$	$\frac{6}{2}=3$
	$2 \times 4 = 8$	$8:4=2$	$\frac{8}{2}=4$
	$2 \times 5 = 10$	$10:5=2$	$\frac{10}{2}=5$

1) $2 \times 2 =$	2) $2 \times 4 =$	3) $2 \times 1 =$	4) $2 \times 5 =$
$5 \times 2 =$	$2 \times 1 =$	$1 \times 2 =$	$5 \times 2 =$
$3 \times 2 =$	$2 \times 5 =$	$2 \times 2 =$	$2 \times 4 =$
$1 \times 2 =$	$2 \times 3 =$	$2 \times 3 =$	$4 \times 2 =$
$4 \times 2 =$	$2 \times 2 =$	$3 \times 2 =$	$1 \times 7 =$

5) $2=2 \times ?$	6) $6=3 \times ?$	7) $1 \times 2+1=$	8) $2 \times 2-1=$
$8=2 \times ?$	$2=1 \times ?$	$4 \times 2+1=$	$5 \times 2-1=$
$6=2 \times ?$	$8=4 \times ?$	$3 \times 2+1=$	$4 \times 2-1=$
$10=2 \times ?$	$4=2 \times ?$	$2 \times 2+1=$	$3 \times 2-1=$
$4=2 \times ?$	$10=5 \times ?$	$2 \times 1+1=$	$2 \times 5-2=$

1) $2:2=$	2) $2:1=$	3) $10:5=$	4) $\frac{4}{2}=$	5) $\frac{2}{2}=$
$4:2=$	$4:4=$	$10:2=$	$\frac{6}{3}=$	$\frac{4}{2}=$
$6:2=$	$6:3=$	$8:4=$	$\frac{8}{4}=$	$\frac{6}{2}=$
$10:2=$	$8:4=$	$8:2=$	$\frac{10}{5}=$	$\frac{8}{2}=$
$8:2=$	$10:5=$	$6:3=$	$\frac{5}{5}=$	$\frac{10}{2}=$

1) $2+2=$	2) $3+2=$	3) $4+2=$	4) $5+2=$
$2 \times 2=$	$2 \times 3=$	$2 \times 4=$	$2 \times 5=$
$2-2=$	$3-2=$	$4-2=$	$5-2=$
$2:2=$		$4:2=$	

3.

	$1 \times 3 = 3$	$3 : 3 = 1$	$\frac{6}{2} = 3$	
	$2 \times 3 = 6$	$6 : 3 = 2$		
	$3 \times 3 = 9$	$9 : 3 = 3$	$\frac{9}{3} = 3$	
	$3 \times 1 = 3$	$3 : 1 = 3$	$\frac{3}{3} = 1$	
	$3 \times 2 = 6$	$6 : 2 = 3$	$\frac{6}{3} = 2$	
1) $3 \times 3 =$ $1 \times 3 =$ $3 \times 1 =$ $3 \times 2 =$ $2 \times 3 =$ $2 \times 5 =$	2) $9 = 3 \times ?$ $6 = 3 \times ?$ $4 = 2 \times ?$ $6 = 2 \times ?$ $10 = 2 \times ?$ $8 = 4 \times ?$	3) $3 : 3 =$ $6 : 3 =$ $9 : 3 =$ $3 : 1 =$ $6 : 2 =$ $9 : 3 =$	4) $\frac{6}{3} =$ $\frac{9}{3} =$ $\frac{3}{3} =$ $\frac{6}{3} =$ $\frac{8}{2} =$	5) $\frac{6}{2} =$ $\frac{4}{2} =$ $\frac{2}{2} =$ $\frac{8}{2} =$
1) $3 + 1 =$ $3 \times 1 =$ $3 - 1 =$ $3 : 1 =$	2) $3 + 2 =$ $3 \times 2 =$ $3 - 2 =$	3) $3 + 3 =$ $3 \times 3 =$ $3 - 3 =$ $3 : 3 =$	4) $5 + 2 =$ $5 \times 2 =$ $5 - 2 =$	

4.

	$1 \times 4 = 4$	$4 : 4 = 1$	$\frac{8}{2} = 4$
	$2 \times 4 = 8$	$8 : 4 = 2$	
	$4 \times 1 = 4$	$4 : 1 = 4$	$\frac{4}{4} = 1$
	$4 \times 2 = 8$	$8 : 2 = 4$	$\frac{8}{4} = 2$
1) $4 \times 1 =$ $2 \times 2 =$ $3 \times 2 =$ $4 \times 2 =$ $2 \times 3 =$ $3 \times 3 =$	2) $1 \times 4 =$ $2 \times 4 =$ $1 \times 5 =$ $2 \times 5 =$ $5 \times 1 =$ $5 \times 2 =$	3) $1 \times ? = 4$ $2 \times ? = 4$ $4 \times ? = 4$ $3 \times ? = 6$ $3 \times ? = 9$ $2 \times ? = 8$	4) $8 = 4 \times ?$ $6 = 2 \times ?$ $10 = 2 \times ?$ $10 = 5 \times ?$ $4 = 2 \times ?$ $5 = 1 \times ?$

1) $4 \times 1 + 1 =$	2) $4 : 4 =$	3) $8 : 8 =$	4) $\frac{4}{4} =$	5) $\frac{9}{3} =$
$4 \times 2 + 1 =$	$4 : 2 =$	$6 : 3 =$		
$2 \times 4 + 2 =$	$4 : 1 =$	$9 : 3 =$		
$1 \times 4 + 3 =$	$8 : 4 =$	$6 : 2 =$	$\frac{8}{4} =$	$\frac{10}{2} =$
$4 \times 2 - 5 =$	$8 : 2 =$	$4 : 2 =$		
$2 \times 4 - 3 =$	$8 : 1 =$	$8 : 2 =$	$\frac{8}{2} =$	$\frac{8}{4} =$

1) $4 + 1 =$	2) $4 + 2 =$	3) $4 + 3 =$	4) $4 + 4 =$
$4 \times 1 =$	$4 \times 2 =$	$4 - 3 =$	$4 - 4 =$
$4 - 1 =$	$4 - 2 =$		$4 : 4 =$
$4 : 1 =$	$4 : 2 =$		

5.

1 \times 5 = 5	5 : 5 = 1	
2 \times 5 = 10	10 : 5 = 2	$\frac{10}{2} = 5$

5 \times 1 = 5	5 : 1 = 5	$\frac{5}{5} = 1$
5 \times 2 = 10	10 : 2 = 5	$\frac{10}{5} = 2$

1) $5 \times 1 =$	2) $2 \times 3 =$	3) $2 \times 4 =$	4) $4 \times 2 + 2 =$
$5 \times 2 =$	$1 \times 5 =$	$4 \times 2 =$	$1 \times 5 + 3 =$
$3 \times 3 =$	$2 \times 5 =$	$5 \times 1 + 1 =$	$2 \times 5 - 3 =$
$3 \times 2 =$	$1 \times 4 =$	$5 \times 2 - 1 =$	$4 \times 2 - 7 =$
$3 \times 1 =$	$4 \times 1 =$	$4 \times 2 - 2 =$	$2 \times 4 - 6 =$

1) $5 : 5 =$	2) $8 : 2 =$	3) $\frac{5}{5} =$	4) $\frac{4}{2} =$
$10 : 5 =$	$8 : 4 =$		
$5 : 1 =$	$4 : 2 =$	$\frac{10}{5} =$	$\frac{10}{2} =$
$6 : 3 =$	$7 : 1 =$		
$6 : 2 =$	$9 : 1 =$	$\frac{8}{4} =$	$\frac{6}{2} =$
$6 : 1 =$	$10 : 2 =$		

В обсагу 6–10.

	$1 \times 6 = 6$	$6 : 6 = 1$	$\frac{6}{6} = 1$
	$1 \times 7 = 7$	$7 : 7 = 1$	$\frac{7}{7} = 1$
	$1 \times 8 = 8$	$8 : 8 = 1$	$\frac{8}{8} = 1$
	$1 \times 9 = 9$	$9 : 9 = 1$	$\frac{9}{9} = 1$
	$1 \times 10 = 10$	$10 : 10 = 1$	$\frac{10}{10} = 1$

1) $7 \times 1 =$	2) $1 \times 7 =$	3) $2 \times 5 =$	4) $3 \times 3 =$	5) $2 \times ? = 10$
$9 \times 1 =$	$1 \times 9 =$	$2 \times 1 =$	$3 \times 2 =$	$5 \times ? = 10$
$6 \times 1 =$	$1 \times 8 =$	$2 \times 4 =$	$4 \times 2 =$	$10 \times ? = 10$
$10 \times 1 =$	$1 \times 3 =$	$2 \times 3 =$	$4 \times 1 =$	$3 \times ? = 9$
$8 \times 1 =$	$1 \times 5 =$	$1 \times 2 =$	$5 \times 1 =$	$4 \times ? = 8$
$1 \times 6 =$	$1 \times 2 =$	$2 \times 2 =$	$5 \times 2 =$	$2 \times ? = 8$
$1 \times 10 =$	$1 \times 1 =$	$3 \times 2 =$	$9 \times 1 =$	$3 \times ? = 6$

6) $6 \times 1 + 3 =$	7) $6 \times 1 - 4 =$	8) $2 \times 4 + ? = 10$
$6 \times 1 + 4 =$	$7 \times 1 - 2 =$	$3 \times 3 + ? = 10$
$7 \times 1 + 2 =$	$1 \times 7 - 4 =$	$4 \times 2 + ? = 10$
$1 \times 7 + 3 =$	$1 \times 9 - 5 =$	$2 \times 4 + ? = 9$
$1 \times 8 + 2 =$	$1 \times 10 - 3 =$	$2 \times 3 + ? = 7$
$9 \times 1 + 1 =$	$8 \times 1 - 3 =$	$4 \times 2 - ? = 7$
$10 \times 1 - 7 =$	$10 \times 1 - 6 =$	$5 \times 2 - ? = 9$

1) $10 : 10 =$	2) $8 : 1 =$	3) $6 : 2 =$	4) $\frac{6}{6}$	5) $\frac{7}{7}$	6) $\frac{8}{2}$
$10 : 5 =$	$8 : 4 =$	$6 : 1 =$	$\frac{6}{2}$	$\frac{8}{4}$	$\frac{8}{4}$
$10 : 2 =$	$8 : 2 =$	$7 : 7 =$	$\frac{6}{2}$	$\frac{8}{4}$	$\frac{8}{4}$
$9 : 3 =$	$8 : 8 =$	$7 : 1 =$	$\frac{6}{2}$	$\frac{8}{4}$	$\frac{8}{4}$
$9 : 9 =$	$6 : 3 =$	$5 : 5 =$	$\frac{6}{3}$	$\frac{8}{3}$	$\frac{9}{3}$
$9 : 1 =$	$6 : 6 =$	$4 : 2 =$	$\frac{6}{3}$	$\frac{8}{3}$	$\frac{9}{3}$

VII.

Додаванє і віднімання в обсягу 20.

A) Додаванє без переступлення десятки.

1.	2.	3.	4.	5.
$1 + 1 =$	$1 + 2 =$	$1 + 3 =$	$1 + 4 =$	$1 + 5 =$
$11 + 1 =$	$11 + 2 =$	$11 + 3 =$	$11 + 4 =$	$11 + 5 =$
$2 + 1 =$	$2 + 2 =$	$2 + 3 =$	$2 + 4 =$	$2 + 5 =$
$12 + 1 =$	$12 + 2 =$	$12 + 3 =$	$12 + 4 =$	$12 + 5 =$
$13 + 1 =$	$13 + 2 =$	$13 + 3 =$	$13 + 4 =$	$13 + 5 =$
$14 + 1 =$	$14 + 2 =$	$14 + 3 =$	$14 + 4 =$	$14 + 5 =$
$15 + 1 =$	$15 + 2 =$	$15 + 3 =$	$15 + 4 =$	$15 + 5 =$
$16 + 1 =$	$16 + 2 =$	$16 + 3 =$	$16 + 4 =$	$12 + 4 =$
$17 + 1 =$	$17 + 2 =$	$17 + 3 =$	$13 + 1 =$	$14 + 3 =$
$18 + 1 =$	$18 + 2 =$	$17 + 2 =$	$14 + 3 =$	$16 + 2 =$
$19 + 1 =$	$15 + 1 =$	$18 + 1 =$	$13 + 2 =$	$18 + 2 =$

6.	7.	8.	9.	10.
$1 + 6 =$	$1 + 7 =$	$1 + 8 =$	$1 + 9 =$	$11 + ? = 20$
$11 + 6 =$	$11 + 7 =$	$11 + 8 =$	$11 + 9 =$	$11 + ? = 15$
$2 + 6 =$	$12 + 7 =$	$12 + 8 =$	$11 + 2 =$	$12 + ? = 19$
$12 + 6 =$	$13 + 7 =$	$11 + 7 =$	$16 + 4 =$	$12 + ? = 17$
$13 + 6 =$	$14 + 6 =$	$12 + 7 =$	$15 + 2 =$	$17 + ? = 18$
$14 + 6 =$	$12 + 6 =$	$13 + 7 =$	$12 + 3 =$	$12 + ? = 20$
$15 + 5 =$	$15 + 5 =$	$14 + 5 =$	$14 + 4 =$	$13 + ? = 17$
$16 + 4 =$	$11 + 6 =$	$13 + 6 =$	$13 + 4 =$	$13 + ? = 15$
$12 + 5 =$	$13 + 4 =$	$11 + 7 =$	$12 + 8 =$	$13 + ? = 19$
$13 + 3 =$	$12 + 7 =$	$12 + 6 =$	$15 + 3 =$	$14 + ? = 20$

Б) Відніманє без переступленя десятки.

1.	2.	3.	4.	5.
$1 - 1 =$	$2 - 2 =$	$3 - 3 =$	$4 - 4 =$	$5 - 5 =$
$11 - 1 =$	$12 - 2 =$	$13 - 3 =$	$14 - 4 =$	$15 - 5 =$
$2 - 1 =$	$3 - 2 =$	$4 - 3 =$	$5 - 4 =$	$6 - 5 =$
$12 - 1 =$	$13 - 2 =$	$14 - 3 =$	$15 - 4 =$	$16 - 5 =$
$13 - 1 =$	$14 - 2 =$	$5 - 3 =$	$6 - 4 =$	$19 - 5 =$
$14 - 1 =$	$17 - 2 =$	$15 - 3 =$	$16 - 4 =$	$18 - 5 =$
$15 - 1 =$	$18 - 2 =$	$17 - 3 =$	$7 - 4 =$	$17 - 5 =$
$16 - 1 =$	$15 - 2 =$	$16 - 3 =$	$17 - 4 =$	$20 - 5 =$
$20 - 1 =$	$16 - 2 =$	$19 - 3 =$	$18 - 4 =$	$17 - 6 =$
$18 - 1 =$	$10 - 2 =$	$10 - 3 =$	$19 - 4 =$	$18 - 6 =$
$19 - 1 =$	$19 - 2 =$	$20 - 3 =$	$10 - 4 =$	$19 - 6 =$
$17 - 1 =$	$20 - 2 =$	$18 - 3 =$	$20 - 4 =$	$20 - 6 =$

6.	7.	8.	9.	10.
$7 - 7 =$	$8 - 8 =$	$9 - 9 =$	$20 - ? = 17$	$20 - ? = 13$
$17 - 7 =$	$18 - 8 =$	$19 - 9 =$	$20 - ? = 12$	$20 - ? = 15$
$19 - 7 =$	$9 - 8 =$	$20 - 9 =$	$20 - ? = 14$	$20 - ? = 10$
$18 - 7 =$	$19 - 8 =$	$20 - 10 =$	$20 - ? = 18$	$16 - ? = 12$
$10 - 7 =$	$10 - 8 =$	$20 - 8 =$	$20 - ? = 19$	$15 - ? = 12$
$20 - 7 =$	$20 - 8 =$	$19 - 8 =$	$20 - ? = 16$	$19 - ? = 13$

Б) Додаванє з переступленем десятки.

1.	2.	3.	4.
$1 + ? = 10$	$3 + ? = 10$	$4 + ? = 10$	$5 + ? = 10$
$1 + 9 + 1 =$	$3 + 7 + 1 =$	$4 + 6 + 1 =$	$5 + 5 + 1 =$
$1 + 10 =$	$3 + 8 =$	$4 + 7 =$	$5 + 6 =$
$2 + ? = 10$	$3 + 7 + 2 =$	$4 + 6 + 2 =$	$5 + 7 =$
$2 + 8 + 1 =$	$3 + 9 =$	$4 + 8 =$	$5 + 8 =$
$2 + 9 =$	$3 + 7 + 3 =$	$4 + 9 =$	$5 + 9 =$
$2 + 10 =$	$3 + 10 =$	$4 + 10 =$	$5 + 10 =$

5.

$$\begin{aligned}6+? &= 10 \\6+4+1 &= \\6+5 &= \\6+4+2 &= \\6+6 &= \\6+4+3 &= \\6+7 &= \\6+4+4 &= \\6+8 &= \\6+9 &= \\6+10 &= \end{aligned}$$

6.

$$\begin{aligned}7+? &= 10 \\7+3+1 &= \\7+4 &= \\7+3+2 &= \\7+5 &= \\7+3+3 &= \\7+6 &= \\7+7 &= \\7+8 &= \\7+9 &= \\7+10 &= \end{aligned}$$

7.

$$\begin{aligned}8+? &= 10 \\8+2+1 &= \\8+3 &= \\8+2+2 &= \\8+4 &= \\8+5 &= \\8+6 &= \\8+7 &= \\8+8 &= \\8+9 &= \\8+10 &= \end{aligned}$$

8.

$$\begin{aligned}9+? &= 10 \\9+1+1 &= \\9+2 &= \\9+3 &= \\9+4 &= \\9+5 &= \\9+6 &= \\9+7 &= \\9+8 &= \\9+9 &= \\9+10 &= \end{aligned}$$

Г) Віднімання з переступленем десятки.

1.

$$\begin{aligned}11-? &= 10 \\11-1-1 &= \\11-2 &= \\11-3 &= \\11-4 &= \\11-5 &= \\11-6 &= \\11-7 &= \\11-8 &= \\11-9 &= \end{aligned}$$

2.

$$\begin{aligned}12-? &= 10 \\12-2-1 &= \\12-3 &= \\12-4 &= \\12-5 &= \\12-6 &= \\12-7 &= \\12-8 &= \\12-9 &= \\12-10 &= \end{aligned}$$

3.

$$\begin{aligned}13-? &= 10 \\13-3-1 &= \\13-4 &= \\13-3-2 &= \\13-5 &= \\13-6 &= \\13-7 &= \\13-8 &= \\13-9 &= \\13-10 &= \end{aligned}$$

4.

$$\begin{aligned}14-? &= 10 \\14-4-1 &= \\14-5 &= \\14-4-2 &= \\14-6 &= \\14-4-3 &= \\14-7 &= \\14-8 &= \\14-9 &= \\14-10 &= \end{aligned}$$

5.

$$\begin{aligned}15-? &= 10 \\15-5-1 &= \\15-6 &= \\15-7 &= \\15-8 &= \\15-9 &= \\16-? &= 10 \\16-6-1 &= \\16-7 &= \\16-8 &= \\16-9 &= \end{aligned}$$

6.

$$\begin{aligned}17-? &= 10 \\17-7-1 &= \\17-8 &= \\17-7-2 &= \\17-9 &= \\17-7-3 &= \\17-10 &= \\18-? &= 10 \\18-8-1 &= \\18-9 &= \\18-10 &= \end{aligned}$$

7.

$$\begin{aligned}19-? &= 10 \\19-9-1 &= \\19-10 &= \\20-10 &= \\16-10 &= \\14-10 &= \\18-10 &= \\20-5-5 &= \\20-6-4 &= \\20-3-7 &= \\20-8-2 &= \end{aligned}$$

8.

$$\begin{aligned}11-? &= 2 \\12-? &= 3 \\11-? &= 3 \\12-? &= 4 \\13-? &= 4 \\14-? &= 7 \\7=15-? &= \\7=12-? &= \\8=17-? &= \\8=12-? &= \\9=11-? &= \end{aligned}$$

VIII.

Множене, помір і поділ в обсягу 20.

1.

$1 \times 11 = ?$	$11 \times 1 = ?$	$11 : 1 = ?$	$\frac{11}{11} = ?$
$1 \times 12 = ?$	$12 \times 1 = ?$	$12 : 1 = ?$	$\frac{12}{12} = ?$
$1 \times 13 = ?$	$13 \times 1 = ?$	$13 : 1 = ?$	$\frac{13}{13} = ?$
$1 \times 14 = ?$	$14 \times 1 = ?$	$14 : 1 = ?$	$\frac{14}{14} = ?$
$1 \times 15 = ?$	$15 \times 1 = ?$	$15 : 1 = ?$	$\frac{15}{15} = ?$
$1 \times 16 = ?$	$16 \times 1 = ?$	$16 : 1 = ?$	$\frac{16}{16} = ?$
$1 \times 17 = ?$	$17 \times 1 = ?$	$17 : 1 = ?$	$\frac{17}{17} = ?$
$1 \times 18 = ?$	$18 \times 1 = ?$	$18 : 1 = ?$	$\frac{18}{18} = ?$
$1 \times 19 = ?$	$19 \times 1 = ?$	$19 : 1 = ?$	$\frac{19}{19} = ?$
$1 \times 20 = ?$	$20 \times 1 = ?$	$20 : 1 = ?$	$\frac{20}{20} = ?$

1) $11 \times 1 =$	2) $18 \times 1 =$	3) $1 \times 14 =$	4) $20 : 1 =$	5) $\frac{15}{15} =$
$12 \times 1 =$	$20 \times 1 =$	$1 \times 17 =$	$18 : 1 =$	$\frac{15}{15} =$
$15 \times 1 =$	$16 \times 1 =$	$1 \times 20 =$	$16 : 1 =$	$\frac{17}{17} =$
$13 \times 1 =$	$19 \times 1 =$	$1 \times 15 =$	$14 : 1 =$	$\frac{19}{19} =$
$14 \times 1 =$	$17 \times 1 =$	$1 \times 19 =$	$12 : 1 =$	$\frac{19}{19} =$

2.

	$6 \times 2 = 12$	$12 : 2 = 6$	$\frac{12}{6} = 2$
	$7 \times 2 = 14$	$14 : 2 = 7$	$\frac{14}{7} = 2$
	$8 \times 2 = 16$	$16 : 2 = 8$	$\frac{16}{8} = 2$
	$9 \times 2 = 18$	$18 : 2 = 9$	$\frac{18}{9} = 2$
	$10 \times 2 = 20$	$20 : 2 = 10$	$\frac{20}{10} = 2$

	$2 \times 6 = 12$	$12 : 6 = 2$	$\frac{12}{2} = 6$
	$2 \times 7 = 14$	$14 : 7 = 2$	$\frac{14}{2} = 7$
	$2 \times 8 = 16$	$16 : 8 = 2$	$\frac{16}{2} = 8$
	$2 \times 9 = 18$	$18 : 9 = 2$	$\frac{18}{2} = 9$
	$2 \times 10 = 20$	$20 : 10 = 2$	$\frac{20}{2} = 10$

1)	2)	3)	4)	5)
$2 \times 6 =$	$10 \times 2 =$	$1 \times 16 =$	$9 \times 2 =$	$2 \times 6 + 6 =$
$2 \times 9 =$	$6 \times 2 =$	$2 \times 8 =$	$1 \times 12 =$	$2 \times 7 - 8 =$
$2 \times 7 =$	$9 \times 2 =$	$1 \times 14 =$	$2 \times 6 =$	$2 \times 8 + 3 =$
$2 \times 8 =$	$7 \times 2 =$	$2 \times 7 =$	$1 \times 10 =$	$2 \times 9 - 7 =$
$2 \times 10 =$	$8 \times 2 =$	$1 \times 18 =$	$2 \times 10 =$	$2 \times 10 - 5 =$
$1 \times 2 =$	$2 \times 1 =$	$2 \times 9 =$	$12 = 2 \times ?$	$4 \times 2 + 10 =$
$2 \times 2 =$	$2 \times 2 =$	$2 \times 7 =$	$18 = 9 \times ?$	$7 \times 2 + 6 =$
$2 \times 3 =$	$3 \times 2 =$	$2 \times 5 =$	$20 = 2 \times ?$	$8 \times 2 - 9 =$
$2 \times 4 =$	$4 \times 2 =$	$2 \times 6 =$	$14 = 7 \times ?$	$3 \times 2 + 9 =$
$2 \times 5 =$	$5 \times 2 =$	$2 \times 10 =$	$16 = 2 \times ?$	$10 \times 2 - 3 =$

1)	2)	3)	4)	5)
$12 : 2 =$	$12 : 6 =$	$2 : 2 =$	$16 : 2 =$	$18 : 9 =$
$14 : 2 =$	$14 : 7 =$	$12 : 2 =$	$8 : 2 =$	$14 : 7 =$
$16 : 2 =$	$16 : 8 =$	$4 : 2 =$	$18 : 2 =$	$20 : 10 =$
$18 : 2 =$	$18 : 9 =$	$14 : 2 =$	$10 : 2 =$	$16 : 8 =$
$20 : 2 =$	$20 : 10 =$	$6 : 2 =$	$20 : 2 =$	$12 : 6 =$

1)	2)	3)	4)	5)
$\frac{12}{2} =$	$\frac{12}{6} =$	$\frac{18}{2} =$	$\frac{18}{9} =$	$\frac{10}{2} =$
$\frac{14}{2} =$	$\frac{14}{7} =$	$\frac{20}{2} =$	$\frac{20}{10} =$	$\frac{10}{5} =$
$\frac{16}{2} =$	$\frac{16}{8} =$	$\frac{8}{2} =$	$\frac{8}{4} =$	$\frac{6}{2} =$

1)	2)	3)	4)	5)
$6 + 2 =$	$7 + 2 =$	$8 + 2 =$	$9 + 2 =$	$10 + 2 =$
$2 \times 6 =$	$2 \times 7 =$	$2 \times 8 =$	$2 \times 9 =$	$2 \times 10 =$
$6 - 2 =$	$7 - 2 =$	$8 - 2 =$	$9 - 2 =$	$10 - 2 =$
$12 : 2 =$	$14 : 2 =$	$16 : 2 =$	$18 : 2 =$	$20 : 2 =$

3.

	$4 \times 3 = 12$	$12 : 3 = 4$	$\frac{12}{4} = 3$
	$5 \times 3 = 15$	$15 : 3 = 5$	$\frac{15}{5} = 3$
	$6 \times 3 = 18$	$18 : 3 = 6$	$\frac{18}{6} = 3$
	$3 \times 4 = 12$	$12 : 4 = 3$	$\frac{12}{3} = 4$
	$3 \times 5 = 15$	$15 : 5 = 3$	$\frac{15}{3} = 5$
	$3 \times 6 = 18$	$18 : 6 = 3$	$\frac{18}{3} = 6$

1)	2)	3)	4)	5)
$3 \times 4 =$	$3 \times 3 =$	$3 \times 1 =$	$3 \times 3 + 8 =$	$12 = 3 \times ?$
$3 \times 6 =$	$5 \times 3 =$	$3 \times 2 =$	$2 \times 3 + 7 =$	$15 = 5 \times ?$
$3 \times 5 =$	$4 \times 3 =$	$3 \times 3 =$	$6 \times 3 - 8 =$	$18 = 3 \times ?$
$1 \times 3 =$	$3 \times 1 =$	$4 \times 3 =$	$2 \times 7 - 9 =$	$3 \times ? = 18$
$2 \times 3 =$	$3 \times 2 =$	$3 \times 4 =$	$8 \times 2 + 4 =$	$4 \times ? = 12$
$3 \times 3 =$	$3 \times 3 =$	$6 \times 3 =$	$2 \times 9 - 4 =$	$2 \times ? = 18$
$4 \times 3 =$	$3 \times 4 =$	$3 \times 6 =$	$2 \times 10 - 8 =$	$15 = 3 \times ?$
$5 \times 3 =$	$3 \times 5 =$	$5 \times 3 =$	$5 \times 1 + 9 =$	$18 = 6 \times ?$
$6 \times 3 =$	$3 \times 6 =$	$3 \times 5 =$	$3 \times 5 - 7 =$	$18 = 9 \times ?$

1)	2)	3)	4)	5)
$12 : 3 =$	$12 : 4 =$	$12 : 2 =$	$12 : 6 =$	$18 : 3 =$
$15 : 3 =$	$15 : 5 =$	$15 : 3 =$	$18 : 3 =$	$18 : 6 =$
$18 : 3 =$	$18 : 6 =$	$16 : 4 =$	$18 : 2 =$	$18 : 9 =$

1)	2)	3)	4)	5)
$\frac{12}{3} =$	$\frac{12}{4} =$	$\frac{12}{2} =$	$\frac{15}{3} =$	$\frac{14}{2} =$
$\frac{15}{3} =$	$\frac{15}{5} =$	$\frac{18}{2} =$	$\frac{16}{4} =$	$\frac{14}{7} =$
$\frac{18}{3} =$	$\frac{18}{6} =$	$\frac{16}{2} =$	$\frac{18}{3} =$	$\frac{18}{9} =$

4.



$$3 \times 4 = 12$$

$$12 : 4 = 3$$

$$\frac{12}{3} = 4$$



$$4 \times 4 = 16$$

$$16 : 4 = 4$$

$$\frac{16}{4} = 4$$



$$5 \times 4 = 20$$

$$20 : 4 = 5$$

$$\frac{20}{5} = 4$$



$$4 \times 3 = 12$$

$$12 : 3 = 4$$

$$\frac{12}{4} = 3$$



$$4 \times 5 = 20$$

$$20 : 5 = 4$$

$$\frac{20}{4} = 5$$

1)	2)	3)	4)	5)
$4 \times 3 =$	$3 \times 4 =$	$4 \times 1 =$	$12 = 4 \times ?$	$3 \times 4 + 7 =$
$4 \times 4 =$	$4 \times 4 =$	$4 \times 2 =$	$16 = 4 \times ?$	$4 \times 4 - 7 =$
$4 \times 5 =$	$5 \times 4 =$	$2 \times 4 =$	$20 = 4 \times ?$	$5 \times 4 - 3 =$
$1 \times 4 =$	$4 \times 1 =$	$6 \times 3 =$	$12 = 3 \times ?$	$4 \times 5 - 8 =$
$2 \times 4 =$	$4 \times 2 =$	$3 \times 5 =$	$12 = 4 \times ?$	$2 \times 9 - 10 =$
$3 \times 4 =$	$4 \times 3 =$	$2 \times 7 =$	$12 = 2 \times ?$	$7 \times 2 + 6 =$
$4 \times 4 =$	$4 \times 4 =$	$3 \times 3 =$	$20 = 2 \times ?$	$5 \times 3 - 6 =$
$5 \times 4 =$	$4 \times 5 =$	$4 \times 3 =$	$8 = 4 \times ?$	$2 \times 8 - 9 =$

1)	2)	3)	4)	5)
$12 : 4 =$	$12 : 3 =$	$12 : 2 =$	$20 : 4 =$	$12 : 3 =$
$16 : 4 =$	$16 : 4 =$	$8 : 4 =$	$12 : 4 =$	$15 : 3 =$
$20 : 4 =$	$20 : 2 =$	$16 : 4 =$	$16 : 2 =$	$18 : 3 =$

1)	2)	3)	4)	5)
$\frac{12}{3} =$	$\frac{12}{4} =$	$\frac{15}{3} =$	$\frac{18}{2} =$	$\frac{14}{7} =$
$\frac{16}{4} =$	$\frac{16}{4} =$	$\frac{18}{6} =$	$\frac{16}{2} =$	$\frac{12}{6} =$
$\frac{20}{5} =$	$\frac{20}{4} =$	$\frac{20}{2} =$	$\frac{16}{8} =$	$\frac{18}{9} =$

5.

	$3 \times 5 = 15$	$15 : 5 = 3$	$\frac{15}{3} = 5$
	$4 \times 5 = 20$	$20 : 5 = 4$	$\frac{20}{4} = 5$
	$5 \times 3 = 15$	$15 : 3 = 5$	$\frac{15}{5} = 3$
	$5 \times 4 = 20$	$20 : 4 = 5$	$\frac{20}{5} = 4$

1) $5 \times 3 =$	2) $5 \times 1 =$	3) $3 \times ? = 15$	4) $20 - 6 - 8 =$
$5 \times 4 =$	$5 \times 2 =$	$5 \times ? = 15$	$2 \times 8 - 5 =$
$3 \times 5 =$	$1 \times 5 =$	$4 \times ? = 20$	$15 + 3 - 6 =$
$4 \times 5 =$	$2 \times 5 =$	$5 \times ? = 20$	$7 + 7 + 6 =$
$4 \times 3 =$	$4 \times 3 =$	$20 = 2 \times ?$	$3 \times 4 + 3 =$
$4 \times 4 =$	$5 \times 3 =$	$10 = 2 \times ?$	$17 - 6 - 3 =$

1) $15 : 5 =$	2) $15 : 3 =$	3) $16 : 4 =$	4) $9 : 3 =$	5) $20 : 2 =$
$20 : 5 =$	$20 : 4 =$	$16 : 2 =$	$12 : 3 =$	$20 : 10 =$
$5 : 5 =$	$10 : 2 =$	$16 : 1 =$	$14 : 2 =$	$18 : 2 =$
$10 : 5 =$	$5 : 1 =$	$16 : 8 =$	$18 : 3 =$	$8 : 4 =$

1) $\frac{10}{5} =$	2) $\frac{10}{2} =$	3) $\frac{16}{2} =$	4) $\frac{9}{3} =$	5) $\frac{12}{2} =$
$\frac{15}{5} =$	$\frac{15}{3} =$	$\frac{16}{4} =$	$\frac{12}{3} =$	$\frac{18}{2} =$
$\frac{20}{5} =$	$\frac{20}{4} =$	$\frac{8}{2} =$	$\frac{15}{3} =$	$\frac{14}{2} =$
$\frac{5}{5} =$	$\frac{4}{2} =$	$\frac{8}{4} =$	$\frac{18}{3} =$	$\frac{20}{2} =$

6.

	$2 \times 6 = 12$	$12 : 6 = 2$	$\frac{12}{2} = 6$
	$3 \times 6 = 18$	$18 : 6 = 3$	$\frac{18}{3} = 6$
	$6 \times 2 = 12$	$12 : 2 = 6$	$\frac{12}{6} = 2$
	$6 \times 3 = 18$	$18 : 3 = 6$	$\frac{18}{6} = 3$

1)	2)	3)	4)	5)
$1 \times 6 =$	$5 \times 2 =$	$4 \times 2 =$	$12 = 6 \times ?$	$9 + 5 + 6 =$
$2 \times 6 =$	$5 \times 4 =$	$4 \times 1 =$	$12 = 2 \times ?$	$20 - 8 - 8 =$
$3 \times 6 =$	$5 \times 1 =$	$4 \times 3 =$	$12 = 3 \times ?$	$3 \times 5 - 6 =$
$6 \times 1 =$	$5 \times 3 =$	$3 \times 5 =$	$18 = 6 \times ?$	$20 - 6 - 5 =$
$6 \times 2 =$	$4 \times 5 =$	$3 \times 3 =$	$18 = 2 \times ?$	$7 \times 2 + 5 =$
$6 \times 3 =$	$4 \times 4 =$	$3 \times 4 =$	$18 = 3 \times ?$	$4 + 3 + 9 =$

1) $6 : 1 =$	2) $6 : 6 =$	3) $15 : 5 =$	4) $20 : 4 =$	5) $12 : 3 =$
$12 : 2 =$	$12 : 6 =$	$20 : 5 =$	$16 : 4 =$	$15 : 3 =$
$18 : 3 =$	$18 : 6 =$	$10 : 5 =$	$12 : 4 =$	$18 : 3 =$

1) $\frac{18}{3} =$	2) $\frac{18}{6} =$	3) $\frac{10}{2} =$	4) $\frac{20}{5} =$	5) $\frac{18}{3} =$
$\frac{12}{2} =$	$\frac{12}{6} =$	$\frac{15}{5} =$	$\frac{16}{4} =$	$\frac{15}{3} =$
$\frac{6}{2} =$	$\frac{6}{6} =$	$\frac{20}{4} =$	$\frac{12}{3} =$	$\frac{12}{4} =$

7.

{●●●●●●●●●●	$2 \times 7 = 14$	$14 : 7 = 2$	$\frac{14}{2} = 7$
{●●●●●●●●●●	$2 \times 7 = 14$	$14 : 7 = 2$	$\frac{14}{2} = 7$

{●●●●●●●●●●	$7 \times 2 = 14$	$14 : 2 = 7$	$\frac{14}{7} = 2$
{●●●●●●●●●●	$7 \times 2 = 14$	$14 : 2 = 7$	$\frac{14}{7} = 2$

$2 \times 7 =$	$7 \times 2 =$	$1 \times ? = 7$	$14 = 7 \times ?$
$1 \times 7 =$	$7 \times 1 =$	$2 \times ? = 14$	$7 = 7 \times ?$

1) $1 \times 7 =$	2) $3 \times 6 =$	3) $4 \times 5 =$	4) $2 \times 6 + 8 =$	5) $14 = 2 \times ?$
$2 \times 7 =$	$6 \times 3 =$	$5 \times 4 =$	$3 \times 6 - 7 =$	$14 = 7 \times ?$
$7 \times 1 =$	$3 \times 5 =$	$2 \times 6 =$	$4 \times 4 - 8 =$	$15 = 3 \times ?$
$7 \times 2 =$	$5 \times 3 =$	$6 \times 2 =$	$7 \times 2 + 5 =$	$15 = 5 \times ?$

1) $7 : 1 =$	2) $7 : 7 =$	3) $18 : 6 =$	4) $12 : 6 =$	5) $14 : 2 =$
$14 : 2 =$	$14 : 7 =$	$18 : 3 =$	$12 : 2 =$	$14 : 7 =$
$12 : 4 =$	$15 : 3 =$	$18 : 2 =$	$18 : 9 =$	$20 : 5 =$

1) $\frac{14}{2} =$	2) $\frac{7}{7} =$	3) $\frac{18}{2} =$	4) $\frac{12}{2} =$	5) $\frac{14}{2} =$
$\frac{16}{2} =$	$\frac{14}{7} =$	$\frac{20}{2} =$	$\frac{10}{2} =$	$\frac{14}{7} =$

8.



$$2 \times 8 = 16 \quad | \quad 16 : 8 = 2 \quad | \quad \frac{16}{2} = 8$$



$$8 \times 2 = 16 \quad | \quad 16 : 2 = 8 \quad | \quad \frac{16}{8} = 2$$

1)	2)	3)	4)	5)
$8 \times 1 =$	$1 \times 6 =$	$5 \times 2 =$	$5+8+7 =$	$16 = 8 \times ?$
$1 \times 8 =$	$6 \times 1 =$	$2 \times 5 =$	$3 \times 6 - 5 =$	$16 = 4 \times ?$
$8 \times 2 =$	$2 \times 6 =$	$5 \times 3 =$	$20 - 6 - 6 =$	$16 = 2 \times ?$
$2 \times 8 =$	$6 \times 2 =$	$3 \times 5 =$	$3 \times 3 + 7 =$	$8 = 4 \times ?$
$7 \times 2 =$	$6 \times 3 =$	$5 \times 4 =$	$7+4+5 =$	$8 = 2 \times ?$
$2 \times 7 =$	$3 \times 6 =$	$4 \times 5 =$	$19 - 8 - 8 =$	$14 = 7 \times ?$

1)	2)	3)	4)	5)
$8 : 1 =$	$8 : 8 =$	$8 : 4 =$	$8 : 2 =$	$16 : 1 =$
$16 : 2 =$	$16 : 8 =$	$16 : 4 =$	$14 : 2 =$	$16 : 16 =$
$15 : 3 =$	$20 : 4 =$	$18 : 6 =$	$20 : 10 =$	$12 : 4 =$

1)	2)	3)	4)	5)
$\frac{8}{4} =$	$\frac{8}{2} =$	$\frac{8}{8} =$	$\frac{14}{7} =$	$\frac{10}{5} =$
$\frac{16}{8} =$	$\frac{16}{4} =$	$\frac{16}{16} =$	$\frac{12}{6} =$	$\frac{18}{9} =$

9.



$$2 \times 9 = 18 \quad | \quad 18 : 9 = 2 \quad | \quad \frac{18}{2} = 9$$



$$9 \times 2 = 18 \quad | \quad 18 : 2 = 9 \quad | \quad \frac{18}{9} = 2$$

1)	2)	3)	4)	5)
$9 \times 1 =$	$7 \times 1 =$	$5 \times 3 =$	$3 \times 3 + 8 =$	$9 \times ? = 18$
$1 \times 9 =$	$2 \times 7 =$	$4 \times 4 =$	$20 - 5 - 6 =$	$9 \times ? = 9$
$9 \times 2 =$	$6 \times 2 =$	$4 \times 2 =$	$3 \times 6 + 2 =$	$2 \times ? = 18$
$2 \times 9 =$	$2 \times 6 =$	$4 \times 5 =$	$5 + 7 + 3 =$	$9 = 3 \times ?$
$8 \times 2 =$	$6 \times 3 =$	$4 \times 3 =$	$8 + 3 + 9 =$	$18 = 6 \times ?$
$2 \times 8 =$	$3 \times 6 =$	$5 \times 4 =$	$4 \times 4 - 8 =$	$18 = 3 \times ?$

1)	2)	3)	4)	5)
$9 : 1 =$	$9 : 9 =$	$18 : 6 =$	$18 : 3 =$	$16 : 8 =$
$18 : 2 =$	$18 : 9 =$	$9 : 3 =$	$20 : 2 =$	$20 : 10 =$
$20 : 4 =$	$20 : 5 =$	$15 : 3 =$	$16 : 4 =$	$14 : 7 =$

1)	2)	3)	4)	5)
$\frac{18}{2} =$	$\frac{9}{9} =$	$\frac{18}{3} =$	$\frac{18}{6} =$	$\frac{20}{5} =$
$\frac{18}{9} =$	$\frac{18}{18} =$	$\frac{9}{3} =$	$\frac{20}{4} =$	$\frac{20}{10} =$

10.



$$2 \times 10 = 20 \quad | \quad 20 : 10 = 2 \quad | \quad \frac{20}{2} = 10$$



$$10 \times 2 = 20 \quad | \quad 20 : 2 = 10 \quad | \quad \frac{20}{10} = 2$$

$10 \times 1 =$	$1 \times 10 =$	$20 = 10 \times ?$	$20 = 2 \times ?$
$10 \times 2 =$	$2 \times 10 =$	$10 = 10 \times ?$	$10 = 2 \times ?$

1)	2)	3)	4)
$10 \times 1 + 6 =$	$3 \times 4 + 5 =$	$6 \times 2 - 7 =$	$2 \times ? = 20$
$10 \times 2 - 7 =$	$3 \times 6 - 7 =$	$6 \times 3 - 5 =$	$4 \times ? = 20$
$1 \times 10 + 8 =$	$3 \times 5 - 6 =$	$7 \times 2 + 5 =$	$5 \times ? = 20$
$2 \times 10 - 4 =$	$4 \times 3 + 7 =$	$8 \times 2 - 1 =$	$10 \times ? = 20$
$2 \times 9 - 8 =$	$4 \times 4 - 8 =$	$9 \times 2 - 6 =$	$20 = 20 \times ?$
$2 \times 8 - 7 =$	$4 \times 5 - 6 =$	$10 \times 2 - 7 =$	$18 = 9 \times ?$
$2 \times 7 + 3 =$	$5 \times 3 - 9 =$	$11 \times 1 + 9 =$	$16 = 2 \times ?$
$2 \times 6 + 8 =$	$5 \times 4 - 8 =$	$17 \times 1 - 8 =$	$14 = 7 \times ?$

1)	2)	3)	4)
$10 : 1 =$	$20 : 4 =$	$19 : 1 =$	$17 : 1 =$
$10 : 2 =$	$20 : 5 =$	$18 : 1 =$	$16 : 2 =$
$10 : 5 =$	$20 : 10 =$	$18 : 3 =$	$16 : 4 =$
$10 : 10 =$	$20 : 20 =$	$18 : 6 =$	$16 : 8 =$
$20 : 2 =$	$20 : 1 =$	$18 : 9 =$	$15 : 3 =$
$15 : 5 =$	$12 : 3 =$	$8 : 2 =$	$15 : 5 =$
$14 : 2 =$	$12 : 4 =$	$8 : 4 =$	$14 : 2 =$
$14 : 7 =$	$12 : 6 =$	$7 : 1 =$	$13 : 1 =$
$14 : 1 =$	$11 : 1 =$	$6 : 2 =$	$12 : 12 =$
$12 : 2 =$	$9 : 3 =$	$6 : 3 =$	$11 : 1 =$

1)	2)	3)	4)	5)
$\frac{10}{10} =$	$\frac{20}{4} =$	$\frac{18}{9} =$	$\frac{14}{7} =$	$\frac{12}{4} =$
$\frac{20}{10} =$	$\frac{20}{2} =$	$\frac{18}{6} =$	$\frac{14}{2} =$	$\frac{12}{6} =$
$\frac{10}{5} =$	$\frac{10}{2} =$	$\frac{18}{3} =$	$\frac{12}{2} =$	$\frac{10}{2} =$
$\frac{20}{5} =$	$\frac{18}{2} =$	$\frac{16}{2} =$	$\frac{12}{3} =$	$\frac{20}{5} =$

IX.

Вправи в розкладаню чисел від 1—20.

<i>a)</i>	<i>b)</i>	<i>c)</i>	<i>d)</i>
$10=1\times?$	$11=1\times?$	$12=1\times?$	$13=1\times?$
$10=2\times?$	$11=2\times5+?$	$12=2\times?$	$13=2\times6+?$
$10=3\times3+?$	$11=3\times3+?$	$12=3\times?$	$13=3\times4+?$
$10=4\times2+?$	$11=4\times2+?$	$12=4\times?$	$13=4\times3+?$
$10=5\times?$	$11=5\times2+?$	$12=5\times2+?$	$13=5\times2+?$
$10=6\times1+?$	$11=6\times1+?$	$12=6\times?$	$13=6\times2+?$
$10=7\times1+?$	$11=7\times1+?$	$12=7\times1+?$	$13=7\times1+?$
$10=8\times1+?$	$11=8\times1+?$	$12=8\times1+?$	$13=8\times1+?$
$10=9\times1+?$	$11=9\times1+?$	$12=9\times1+?$	$13=9\times1+?$
<i>e)</i>	<i>f)</i>	<i>g)</i>	<i>h)</i>
$14=1\times?$	$15=1\times?$	$16=1\times?$	$17=1\times?$
$14=2\times?$	$15=2\times7+?$	$16=2\times?$	$17=2\times8+?$
$14=3\times4+?$	$15=3\times?$	$16=3\times5+?$	$17=3\times5+?$
$14=4\times3+?$	$15=4\times3+?$	$16=4\times?$	$17=4\times4+?$
$14=5\times2+?$	$15=5\times?$	$16=5\times3+?$	$17=5\times3+?$
$14=6\times2+?$	$15=6\times2+?$	$16=6\times2+?$	$17=6\times2+?$
$14=7\times?$	$15=7\times2+?$	$16=7\times2+?$	$17=7\times2+?$
$14=8\times1+?$	$15=8\times1+?$	$16=8\times?$	$17=8\times2+?$
$14=9\times1+?$	$15=9\times1+?$	$16=9\times1+?$	$17=9\times1+?$
<i>i)</i>	<i>j)</i>	<i>k)</i>	
$18=1\times?$	$19=1\times?$	$20=1\times20$	
$18=2\times?$	$19=2\times9+?$	$20=2\times?$	
$18=3\times?$	$19=3\times6+?$	$20=3\times6+?$	
$18=4\times4+?$	$19=4\times4+?$	$20=4\times?$	
$18=5\times3+?$	$19=5\times3+?$	$20=5\times?$	
$18=6\times?$	$19=6\times3+?$	$20=6\times3+?$	
$18=7\times2+?$	$19=7\times2+?$	$20=7\times2+?$	
$18=8\times2+?$	$19=8\times2+?$	$20=8\times2+?$	
$18=9\times?$	$19=9\times2+?$	$20=9\times2+?$	



